Karlo Đelmiš

`Front-End Software Engineer`

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About Me

I am a self-taught Web developer with knowledge in HTML, CSS and JavaScript. My love for coding began during my Master's Project. My Master's Project involved developing solutions in the C programming language for a laboratory tool. The laboratory tool is now the foundation for future Ph.D. theses. Throughout my Master's Studies, I have worked on numerous projects where close collaboration and teamwork were crucial to completing the tasks on time. Now, I work daily to develop my skills and increase my knowledge in software development. Working joyfully on my web development projects
has become a part of my identity. I am very eager to make web development my career, and I would bring my interpersonal values of trustworthiness, friendliness, and time management skills to this role.

Personal Projects in Web Development

Portfolio Website

`2022 //`
  ▷ Personal portfolio website created with React

Forkify

`2022 //` *Udemy:* `The Complete JavaScript Course 2022: From Zero to Expert!`
  ▷ Code-along project where I have built a website using HTML, CSS/SASS and JavaScript

Omnifood

`2022 //` *Udemy:* `Build Responsive Real-World Websites with HTML and CSS`
  ▷ Code-along project where I have built a responsive website with HTML and CSS and deployed it using Netlify

Other Programming Projects

Laboratory Scale Drilling Rig

`2021 // Master's Thesis`
  ▷ Redesign of a laboratory scale drilling rig. Including, new sensors, PLC modules and rewiring the whole control box
  ▷ Coding a new program in C that runs on the PLC and enables the user to manually control the laboratory scale drilling rig
  ▷ Establishing the asynchronous serial communication between the PLC and the servo controller, variable frequency drive
  ▷ Redesigning the website that displays the current outputs from the sensors that are mounted on the laboratory scale drilling rig

Methods of Measuring Surface Tension

`2015 // Bachelor Thesis`
  ▷ Developed an automated solution for measuring the surface tension of an oil droplet using Python and OpenCV
  ▷ The solution simplifies the work of the INA oil company's employee

Personal Information

Date of birth: 1.11.1994

Address: Zelengaj 53A, Zagreb, Croatia

Skills

Programming Languages
JavaScript (ES6), HTML, CSS/SASS, C, C#, Python

Libraries & Frameworks
React, .NET

Tools & Platforms
VS Code, Visual Studio 2022, Git, GitHub, Netlify

Currently Learning
Node.js, SQL

Education

Faculty of Mining, Geology and Petroleum Engineering
`2015 - 2019 //` Zagreb, Croatia

Bachelor's Degree in Petroleum Engineering

The University of Leoben
`2019 - 2021 // Leoben, Austria`

Master's Degree in Petroleum Engineering

Languages

English (Proficient), German (Intermediate), Croatian (Native)